

WHAT IS CLAIMED IS:

1. A data processing apparatus for selectively receiving information data from a plurality of types of input devices, comprising:

input interface means functioning as an interface with said plurality of types of input devices;

input common processing means for performing processing, commonly to said plurality of types of input devices, on the information data received from said plurality of types of input devices via said input interface means; and

input variable processing means for performing processing, variably according to the type of input device selected from said plurality of types of input devices, on the information data received from said plurality of types of input devices via said input interface means.

2. A data processing apparatus according to claim 1, further comprising input device detection means for detecting the type of input device from which the information data is received via said input interface means, wherein said input common processing means and said input variable processing means perform the processing based on a detection result obtained from said input device detection means.

3. A data processing apparatus according to claim 1, wherein said input interface means functions as an interface with each of at least two of said input devices.

4. A data processing apparatus according to claim 1, further comprising:

output interface means functioning as an interface with a plurality of types of output devices;

output common processing means for performing processing, commonly to said plurality of types of output devices, on information data to be supplied to said plurality of types of output devices via said output interface means; and

output variable processing means for performing processing, variably according to the type of output device selected from said plurality of types of output devices, on the information data supplied to said plurality of types of output devices via said output interface means.

5. A data processing apparatus according to claim 4, further comprising output device detection means for detecting the type of output device to which the information data is to be supplied via said output interface means, wherein said output common processing means and said output

variable processing means perform the processing based on a detection result obtained from said output device detection means.

6. A data processing apparatus according to claim 4, wherein said output interface means functions as an interface with each of at least two of said output devices.

7. A data processing apparatus according to claim 4, wherein said input interface means and said output interface means are integrated into a single interface.

8. A data processing apparatus according to claim 1, further comprising:

storage interface means functioning as an interface with a plurality of types of storage devices;

storage common processing means for performing processing, commonly to said plurality of types of storage devices, on information data received from said plurality of types of storage devices via said storage interface means or information data supplied to said plurality of storage devices via said storage interface means; and

storage variable processing means for performing processing, variably according to the type of storage device selected from said plurality of types of storage devices, on

2025-03-03 10:00:00

the information data received from said plurality of types of storage devices via said storage interface means or the information data supplied to said plurality of types of storage devices via said storage interface means.

9. A data processing apparatus according to claim 8, further comprising storage device detection means for detecting the type of storage device from or to which the information data is received or supplied via said storage interface means, wherein said storage common processing means and said storage variable processing means perform the processing based on a detection result obtained from said storage device detection means.

10. A data processing apparatus according to claim 8, wherein said storage interface means functions as an interface with each of at least two of said storage devices.

11. A data processing apparatus according to claim 8, wherein said input interface means and said storage interface means are integrated into one interface.

12. A data processing apparatus according to claim 4, further comprising:

storage interface means functioning as an interface

with a plurality of types of storage devices;

storage common processing means for performing processing, commonly to said plurality of types of storage devices, on information data received from said plurality of types of storage devices via said storage interface means or information data supplied to said plurality of storage devices via said storage interface means; and

storage variable processing means for performing processing, variably according to the type of storage device selected from said plurality of types of storage devices, on the information data received from said plurality of types of storage devices via said storage interface means or the information data supplied to said plurality of types of storage devices via said storage interface means.

13. A data processing apparatus according to claim 12, wherein said input interface means, said output interface means, and said storage interface means are integrated into a single interface.

14. A data processing method for use in a data processing apparatus for selectively receiving information data from a plurality of types of input devices, comprising:  
an input common processing step of performing processing, commonly to said plurality of types of input

devices, on the information data received from said plurality of types of input devices via input interface means functioning as an interface with said plurality of types of input devices; and

an input variable processing step of performing processing, variably according to the input device selected from said plurality of types of input devices, on the information data received from said plurality of types of input devices via said input interface means.

15. A recording medium for storing a program which causes a computer to perform data processing for processing information data received from a plurality of types of input devices, said program comprising:

an input common processing step of performing processing, commonly to said plurality of types of input devices, on the information data received from said plurality of types of input devices via input interface means functioning as an interface with said plurality of types of input devices; and

an input variable processing step of performing processing, variably according to the input device selected from said plurality of types of input devices, on the information data received from said plurality of types of input devices via said input interface means.

110130-00000000

16. A data processing apparatus for selectively supplying information data to a plurality of types of output devices, comprising:

output interface means functioning as an interface with said plurality of types of output devices;

output common processing means for performing processing, commonly to said plurality of types of output devices, on the information data to be supplied to said plurality of types of output devices via said output interface means; and

output variable processing means for performing processing, variably according to the type of output device selected from said plurality of types of output devices, on the information data to be supplied to said plurality of types of output devices via said output interface means.

17. A data processing apparatus according to claim 16, further comprising output device detection means for detecting the type of output device to which the information data is to be supplied via said output interface means, wherein said output common processing means and said output variable processing means perform the processing based on a detection result obtained from said output device detection means.

18. A data processing apparatus according to claim 16, wherein said output interface means functions as an interface with each of at least two of said output devices.

19. A data processing apparatus according to claim 16, further comprising:

storage interface means functioning as an interface with a plurality of types of storage devices;

storage common processing means for performing processing, commonly to said plurality of types of storage devices, on information data received from said plurality of types of storage devices via said storage interface means or information data supplied to said plurality of storage devices via said storage interface means; and

storage variable processing means for performing processing, variably according to the type of storage device selected from said plurality of types of storage devices, on the information data received from said plurality of types of storage devices via said storage interface means or the information data supplied to said plurality of types of storage devices via said storage interface means.

20. A data processing apparatus according to claim 19, further comprising storage device detection means for



detecting the type of storage device from or to which the information data is received or supplied via said storage interface means, wherein said storage common processing means and said storage variable processing means perform the processing based on a detection result obtained from said storage device detection means.

21. A data processing apparatus according to claim 19, wherein said storage interface means functions as an interface with each of at least two of said storage devices.

22. A data processing apparatus according to claim 19, wherein said output interface means and said storage interface means are integrated into a single interface.

23. A data processing method for use in a data processing apparatus for selectively supplying information data to a plurality of types of output devices, comprising:  
an output common processing step of performing processing, commonly to said plurality of output devices, on the information data to be supplied to said plurality of types of output devices via output interface means functioning as an interface with said plurality of types of output devices; and  
an output variable processing step of performing

processing, variably according to the type of output device selected from said plurality of types of output devices, on the information data to be supplied to said plurality of types of output devices via said output interface means.

24. A recording medium for storing a program which causes a computer to perform data processing for processing information data to be supplied to a plurality of types of output devices, said program comprising:

an output common processing step of performing processing, commonly to said plurality of output devices, on the information data to be supplied to said plurality of types of output devices via output interface means functioning as an interface with said plurality of types of output devices; and

an output variable processing step of performing processing, variably according to the type of output device selected from said plurality of types of output devices, on the information data to be supplied to said plurality of types of output devices via said output interface means.

25. A data processing apparatus for selectively receiving and supplying information data from and to a plurality of types of storage devices, comprising:

storage interface means functioning as an interface

with a plurality of types of storage devices;

storage common processing means for performing processing, commonly to said plurality of types of storage devices, on the information data received from said plurality of types of storage devices via said storage interface means or the information data supplied to said plurality of storage devices via said storage interface means; and

storage variable processing means for performing processing, variably according to the type of storage device selected from said plurality of types of storage devices, on the information data received from said plurality of types of storage devices via said storage interface means or information data supplied to said plurality of types of storage devices via said storage interface means.

26. A data processing apparatus according to claim 25, further comprising storage device detection means for detecting the type of storage device from or to which the information data is received or supplied via said storage interface means, wherein said storage common processing means and said storage variable processing means perform the processing based on a detection result obtained from said storage device detection means.

27. A data processing apparatus according to claim 25, wherein said storage interface means functions as an interface with each of at least two of said storage devices.

28. A data processing method for use in a data processing apparatus for selectively receiving and supplying information data from and to a plurality of types of storage devices, comprising:

a storage common processing step of performing processing, commonly to said plurality of types of storage devices, on the information data to be supplied to said plurality of types of storage devices via storage interface means functioning as an interface with said plurality of types of storage devices, or on the information data received from said plurality of types of storage devices via said storage interface means; and

a storage variable processing step of performing processing, variably according to the type of storage device selected from said plurality of types of storage devices, on the information data to be supplied to said plurality of types of storage devices from said storage interface means, or on the information data received from said plurality of types of storage devices via said storage interface means.

29. A recording medium for storing a program which

causes a computer to perform data processing for processing information data received and supplied from and to a plurality of types of storage devices, said program comprising:

a storage common processing step of performing processing, commonly to said plurality of types of storage devices, on the information data to be supplied to said plurality of types of storage devices via storage interface means functioning as an interface with said plurality of types of storage devices, or on the information data received from said plurality of types of storage devices via said storage interface means; and

a storage variable processing step of performing processing, variably according to the type of storage device selected from said plurality of types of storage devices, on the information data to be supplied to said plurality of types of storage devices from said storage interface means, or on the information data received from said plurality of types of storage devices via said storage interface means.

TOP SECRET